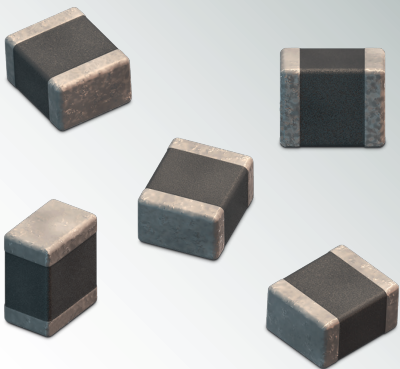




## DESIGN KIT

WCAP-CSSA

Safety MLCC X1/Y2, X2/Y3, 250V AC



### Size:

1808 / 1812 / 2211

### Technical Data:

Capacitance Range: 33 ~ 2,200pF

Rated Voltage: 250V AC

Dielctrics: NPO, X7R

Safety Classes: X1/Y2, X2/Y3

### Approvals:

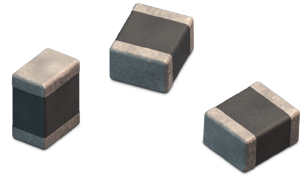
TUV, cULus

**Order Code 885 300**

**Version 1.0**

# WCAP-CSSA

## Safety MLCC X1/Y2, X2/Y3, 250V AC



|                     |   |   |      |   |   |   |   |
|---------------------|---|---|------|---|---|---|---|
| 1808                | <b>885 352 010 007</b><br><b>X1 / Y2</b><br>33pF; ±5%; H=1.4mm<br>DF≤0.1%; IR≥100GΩ   | <b>885 362 010 009</b><br><b>X2 / Y3</b><br>33pF; ±5%; H=1.4mm<br>DF≤0.1%; IR≥100GΩ   | 1808 | <b>885 362 010 011</b><br><b>X2 / Y3</b><br>47pF; ±5%; H=1.6mm<br>DF≤0.1%; IR≥100GΩ   | <b>885 362 010 017</b><br><b>X2 / Y3</b><br>100pF; ±5%; H=2mm<br>DF≤0.1%; IR≥100GΩ    | <b>885 362 210 009</b><br><b>X2 / Y3</b><br>470pF; ±10%; H=1.6mm<br>DF≤2.5%; IR≥10GΩ  | <b>885 362 210 013</b><br><b>X2 / Y3</b><br>680pF; ±10%; H=1.6mm<br>DF≤2.5%; IR≥10GΩ  |
|                     | <b>885 352 010 007</b><br><b>X1 / Y2</b><br>33pF; ±5%; H=1.4mm<br>DF≤0.1%; IR≥100GΩ   | <b>885 362 010 009</b><br><b>X2 / Y3</b><br>33pF; ±5%; H=1.4mm<br>DF≤0.1%; IR≥100GΩ   |      | <b>885 362 010 011</b><br><b>X2 / Y3</b><br>47pF; ±5%; H=1.6mm<br>DF≤0.1%; IR≥100GΩ   | <b>885 362 010 017</b><br><b>X2 / Y3</b><br>100pF; ±5%; H=2mm<br>DF≤0.1%; IR≥100GΩ    | <b>885 362 210 009</b><br><b>X2 / Y3</b><br>470pF; ±10%; H=1.6mm<br>DF≤2.5%; IR≥10GΩ  | <b>885 362 210 013</b><br><b>X2 / Y3</b><br>680pF; ±10%; H=1.6mm<br>DF≤2.5%; IR≥10GΩ  |
|                     | <b>885 352 210 013</b><br><b>X1 / Y2</b><br>1000pF; ±10%; H=2mm<br>DF≤2.5%; IR≥10GΩ   | <b>885 362 210 017</b><br><b>X2 / Y3</b><br>1000pF; ±10%; H=2mm<br>DF≤2.5%; IR≥10GΩ   |      | <b>885 352 211 001</b><br><b>X1 / Y2</b><br>470pF; ±10%; H=1.6mm<br>DF≤2.5%; IR≥10GΩ  | <b>885 352 211 002</b><br><b>X1 / Y2</b><br>680pF; ±10%; H=2mm<br>DF≤2.5%; IR≥10GΩ    | <b>885 352 211 003</b><br><b>X1 / Y2</b><br>1000pF; ±10%; H=2.5mm<br>DF≤2.5%; IR≥10GΩ | <b>885 362 211 011</b><br><b>X2 / Y3</b><br>1000pF; ±10%; H=1.6mm<br>DF≤2.5%; IR≥10GΩ |
|                     | <b>885 352 210 013</b><br><b>X1 / Y2</b><br>1000pF; ±10%; H=2mm<br>DF≤2.5%; IR≥10GΩ   | <b>885 362 210 017</b><br><b>X2 / Y3</b><br>1000pF; ±10%; H=2mm<br>DF≤2.5%; IR≥10GΩ   |      | <b>885 352 211 001</b><br><b>X1 / Y2</b><br>470pF; ±10%; H=1.6mm<br>DF≤2.5%; IR≥10GΩ  | <b>885 352 211 002</b><br><b>X1 / Y2</b><br>680pF; ±10%; H=2mm<br>DF≤2.5%; IR≥10GΩ    | <b>885 352 211 003</b><br><b>X1 / Y2</b><br>1000pF; ±10%; H=2.5mm<br>DF≤2.5%; IR≥10GΩ | <b>885 362 211 011</b><br><b>X2 / Y3</b><br>1000pF; ±10%; H=1.6mm<br>DF≤2.5%; IR≥10GΩ |
|                     | <b>885 362 211 015</b><br><b>X2 / Y3</b><br>2200pF; ±10%; H=2.5mm<br>DF≤2.5%; IR≥10GΩ | <b>885 362 211 015</b><br><b>X2 / Y3</b><br>2200pF; ±10%; H=2.5mm<br>DF≤2.5%; IR≥10GΩ |      | <b>885 352 213 011</b><br><b>X1 / Y2</b><br>1000pF; ±10%; H=2.5mm<br>DF≤2.5%; IR≥10GΩ | <b>885 352 213 015</b><br><b>X1 / Y2</b><br>2200pF; ±10%; H=2.5mm<br>DF≤2.5%; IR≥10GΩ |   |   |
|                     | <b>885 362 211 015</b><br><b>X2 / Y3</b><br>2200pF; ±10%; H=2.5mm<br>DF≤2.5%; IR≥10GΩ | <b>885 362 211 015</b><br><b>X2 / Y3</b><br>2200pF; ±10%; H=2.5mm<br>DF≤2.5%; IR≥10GΩ |      | <b>885 352 213 011</b><br><b>X1 / Y2</b><br>1000pF; ±10%; H=2.5mm<br>DF≤2.5%; IR≥10GΩ | <b>885 352 213 015</b><br><b>X1 / Y2</b><br>2200pF; ±10%; H=2.5mm<br>DF≤2.5%; IR≥10GΩ |   |   |
| <b>Safety Class</b> | <b>Impulse Voltage</b>  |   |      |   |   |   |   |
| X1 / Y2             | 5000V   |   |      |   |   |   |   |
| X2 / Y3             | 2500V   |   |      |   |   |   |   |
| <b>Dielectric</b>   | <b>Capacitance Characteristics*</b>   |   |      |   |   |   |   |
| NP0                 | ± 30ppm/°C; ±0.54%/°C   |   |      |   |   |   |   |
| X7R                 | ± 15%   |   |      |   |   |   |   |

\*within Operating Temperature Range

### Approvals:

TUV (EN 60384 -14:2005), File number: R 50268363  
cULus, File numbers: E345659, E331896

### Technical Data:

Rated Voltage: 250V AC  
Operating Temperature: -55°C to +125°C  
Termination: Ag/Ni/Sn



**Important information:** Würth Elektronik's design kits contain reference components. These components correspond with the current product development status on the day of supply. Exchange of the reference components to components with up-to-date product development status is not carried out automatically. No liability is taken for the use of these reference components. Therefore, please request new samples prior to releases for series production and product release.

Please check datasheets on [www.we-online.com](http://www.we-online.com) for specifications.  
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